Ontario Toxics Reduction Act- Annual Public Report

Reporting Year 2016

MSSC

BASIC COMPANY INFORMATION

National Pollutant Release Inventory (NPRI) ID: 0805

NAICS ID:
2 digit: 33- Manufacturing
4 digit: 3363 – Motor Vehicle Parts Manufacturing
6 digit: 336330 - Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing

Legal and Trade Name of the Owner and Operator, street (and mailing) address:
MSSC, 201 Park Avenue East, Chatham, Ontario N7M 3V7

Public contact:
Jim Hall, Environmental Manager Phone: 519-354-1100
Email: James.Hall@msscna.com

Number of full-time employee equivalents at the facility: 280

Spatial Coordinates of the facility:
Latitude: 42.40060N, Latitude: -82.17390E
UTM Zone: 17N

List of Toxic Substances created at the facility:
Manganese – CAS Number: No single CAS number applies
Zinc – CAS Number: No single CAS number applies
PM_{10} - CAS Number: No single CAS number applies

Facility's approach to toxic substance accounting:
Mass balance for 'contained in product' based on incoming inventory records (materials entering facility), formula composition for waste characterization data and waste manifests for off-site disposal. No inventory due to order on demand system.

Facility's Objectives and Targets:
The facility's goal is to continue to investigate ways to reduce the use of Manganese, Zinc and natural gas which produces Particulate Matter. Due to the fact that their customer mandates specific material compositions be used to meet customer performance specifications, the company is unable to commit to a specific option for reduction.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Manganese CAS Number: No single CAS number applies

TRA comparisons for 2011, 2012, 2013, 2014, 2015 and 2016 for Manganese:

Categories	Change in Tracking / Quantification	2011 Reporting Year (tonnes)	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	Percent Change *
Used	**No**	116.689	20.512	8.063	168.754	147.352	182.226	23.67%
Created	**No**	0	0	0	0	**0**	**0**	**N/A**
Transformed	**No**	0	0	0	0	**0**	**0**	**N/A**
Destroyed	**No**	0	0	0	0	**0**	**0**	**N/A**
On-site Release	**No**	0.0011	0.00185	0.003	0.003	0.003	0.00	0%
Off-site Disposal	**No**	0						**N/A**
Off-site Recycling	**No**	16.2237	13.52	4.431	5.155	3.445	15.163	340.1%
Contained in Product	**No**	100.472	6.9909	3.629	159.96	143.903	167.063	N/A

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of product used which contained Manganese decreased in 2015 when compared to 2014 but then increased in 2016. The use of Manganese increased due to a higher concentration in the metals used. There are no economical or feasibility options or substitutions at this time.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Zinc CAS Number: No single CAS number applies

TRA and NPRI quantifications comparison for 2012, 2013, 2014 and 2015 for Zinc:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	Percent Change *
Used	**No**	**20.398**	**54.096**	**53.364**	**33.968**	**28.161**	-17.09%
Created	**No**	0	0	0	0	0	**N/A**
Transformed	**No**	0	0	0	0	0	**N/A**
Destroyed	**No**	0	0	0	0	0	**N/A**
On-site Release	**No**	0	0	0	0	0	**N/A**
Off-site Disposal	**No**	0	0	0	0	0	**N/A**
Off-site Recycling	**No**	2.204	3.5265	2.204	5.933	5.718	-3.6%
Contained in Product	**No**	18.194	50.569	51.16	28.034	22.443	**N/A**

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of product containing Zinc decreased in 2015 when compared to the 2014 and decreased further in 2016. The decrease was due to a decrease in production of products using materials that contain Zinc.

The amount of recycling increased in 2015 when compared to 2014 and remained similar in 2016.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Particulate Matter 10 (PM_{10}) CAS Number: No single CAS number applies

TRA and NPRI quantification comparison for 2012 and 2013 for PM_{10}**:**

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	Percent Change *
Used	**No**	**0**	**0**	**0**	**0**	**0**	N/A
Created	**No**	**0.6456**	**0.6806**	**0.6978**	**0.6628**	**0.7118**	**7.39%**
Transformed	**No**	0	0	0	0	0	**N/A**
Destroyed	**No**	0	0	0	0	0	**N/A**
On-site Release	**No**	**0.6456**	**0.66806**	**0.6978**	**0.6628**	**0.7118**	**7.39%**
Off-site Disposal	**No**	0	0	0	0	0	**N/A**
Off-site Recycling	**No**	0	0	0	0	0	**N/A**
Contained in Product	**No**	0	0	0	0	0	**N/A**

based on detailed accounting

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The amount of PM_{10} released increased slightly when compared to 2015.